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Porous film or sheet useful for clothes - prepd. by inflation-moulding of polyolefin resin and drawing uniaxially.

Patent Assignee: MITSUBISHI CHEM CORP

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 7214685	A	19950815	JP 9410398	A	19940201	199541	B
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Patent Details

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JP 7214685	A		8	B29D-007/01	
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Abstract:

JP 7214685 A

A porous sheet or film is prepd. by inflation- moulding a compsn., and drawing uniaxially in the take-up direction. The compsn. comprises 100 pts. wt. of a polyolefin resin (A) with a density of 0.930 g/cub.cm or lower and a melt index of 2 g/10 min. or lower, 100-400 pts. wt. of a filler (B), 0.1-100 pts. wt. of a plasticiser (C) of formula (1), and 0.00021-0.1 pts. wt. of a radical generator (D). Formula (1)-P Ar = carboxylic acid residue or alcohol residue contg. aromatic gp.; B = multi-valent carboxylic acid residue or multi-valent alcohol residue which are at least two valent; R = aliphatic carboxylic acid residue or aliphatic alcohol residue; n = 1-8 number; m = 0-7 number. The bond between Ar and B and that between B and R are ester bonds. That is, in the case of Ar is a carboxylic acid residue, B is a multi-valent alcohol residue, and R is an aliphatic carboxylic acid residue. In the case of Ar is an alcohol residue, B is a multi-valent carboxylic acid residue, and R is an aliphatic alcohol residue. Also claimed is prodn. of the sheet or film. The compsn., after or while it is subjected to the conditions in which the radical generator is decomposed, is inflation moulded at a blow up ratio of 2-8. The resultant sheet or film is uni-axially drawn at a draw ratio of 1.2-8 in the take-up direction.

USE - The sheet or film is useful for one-use diapers, rain coats, and one-use sheets.

ADVANTAGE - The sheet or film has a high tearing resistance, a high tensile strength at breaking, and less irregularities in drawing.

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